| SHEET INDEX | | |
|--|--------------|-------|
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| CMS 153A | 10 | 2 |
| | 11 | 2 |

| | | | SYMBOL | | | | |
|-------------|----------------------------|----------|-------------|------------|---------------------------|-------|------|
| | DIAGNOSTIC AC ELEMENT A | | | | ERROR DETECT ELEMENT C | TION | |
| TERM, MOD. | FUNCT | TERM. | LDC | TERM, MOD. | FUNCT | TERM. | 1.0C |
| BUF8010 | 1 | 013 | 381 | ERID | 1 | 104 | 284 |
| CLBINIC | 1 | 003 | 380 | SERAIO | I | 206 | 284 |
| DEUTIO | I | 113 | 386 | TSERAD | 8 | 20> | 2E4 |
| FCKID | 1 | 207 | 282 | | | | |
| FSTPCKID | 1 | 106 | 282 | | REFRESH C | | |
| INITIO | ī | 307 | 282 | | ELEMEN | T D | |
| INNI1 | 1 | 218 | 385 | | | | |
| JEPI1 | ī | 318 | 3B6 | TERM, MOD. | FUNCT | TERM. | LOC |
| IZNI1 | ī | 316 | 305 | REFIO | 1 | 002 | 284 |
| IZPI1 | ī | 317 | 385 | | | | |
| SHSTPIU | τ | 102 | 381 | | CONTROL A | | |
| CLINITI | | 010 | 382 | | | | |
| DIND | 8 | 01.6 | 365 | TERM, MOD. | FUNCT | TERM. | LOC |
| 99N1 | 0 | 213 | 367 | | | | |
| GEP1 | g | 313 | 367 | MLDIO | 1 | 105 | 285 |
| | - | | | PIMITII | 1 | 004 | 283 |
| g(Z)(1) | | 214 | 367 | SREQIO | I | 006 | 285 |
| #ZP1 | 0 | 314 | 366 | SREQO | 8 | 302 | 285 |
| RESETO | - 1 | 306 | 361 | | | | 1 |
| SHFTD | | 103 | 365 | PINITO | g | 305 | - 1 |
| 314 10 | | | | TCKOA | 8 | 204 | ė. |
| +3 | P | 000,119, | 2E7 | TCXOB | 8 | 20. | 265 |
| GRD | G | 200 | | | | | |
| GRO | 0 | 319 | 1 | | | | |
| uno | | | 1 | | | | |
| SRO | G | OGD, 2GD | 2E7 | | | | |
| | ADDRESS & ELEMENT | | | | | | |
| TERM. MOD . | FUNCI | TERM. | <u>1.00</u> | | | | |
| S801710 | 1 | 005 | 283 | | | | |
| 80170 | i | 304 | 2F3 | | | | |
| AD171A | 8 | 210 | ī | | | | |
| AD1718 | i | 311 | | | | | |
| -w 10 | | | 1 | | | | |

| CATEGORY | NO. |
|--|------------|
| CIRCUIT PACK CODE | FC203 |
| CONNECTOR ON FRAME | and Nagari |
| SERIES FOR CLASS "A" CHANGE. (ANY HIGHER SERIES IS ACCEPTABLE) | 6 |

CURRENT DRAIN: 510mA

DNLY THOSE SHEETS AFFECTED WILL BE REISSUED. THIS SHEET INDEX WILL BE REISSUED AND BROUGHT UP TO DATE EACH TIME ANY SHEET OF THE DRAWING IS REISSUED, OR A NEW SHEET IS ADDED.

OR NEW SHEET WILL BE THE SAME ISSUE NUMBER AS THAT OF THE FIRST SHEET.

THEIR EXISTING ISSUE NUMBER.

1. A GROUND RETURN

NOTES:

2. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS
CAPACITANCE VALUES ARE IN MICROFARADS
VALUES PRECEDED BY THE SYMBOL •(PLUS)
CR -(MINUS) ARE IN VOITS

3. BATTERY AND GROUND TERMINALS FOR INTEGRATED CIRCUITS

| CODE | BAT. TERM. | GRD TERM. |
|-------|---------------|--------------|
| 144AJ | 1,38 | 19,20 |
| 153A | 14 | 1 |
| | | |
| - | - | - |
| | | |
| - | + | - |
| | | |
| - | + | - |
| | | |
| | | - |

4 BATTERY AND GROUND TERMINALS FOR THIS CIRCUIT PACK ARE AS FOLLOWS:

> FUNCTION *TERMINAL 000,119 +3/ 200,319,000,200 GRD

5. HORIZONTAL MOUNTING CENTER AT " INCHES,

6. CMS 153A IS CONTROLLED BY CPS FC200.

| | RECOR | D DF | CHANGE | \$. |
|------------|-------|------|-------------|------|
| DWG ISS | PREV | STD | MFR DISC | SEE |
| | | | | |
| | | | | |
| | - | | | - |

| SYSTEM USED ON | DES IGN CONTROL |
|-------------------|--------------------|
| COMMON | IH |

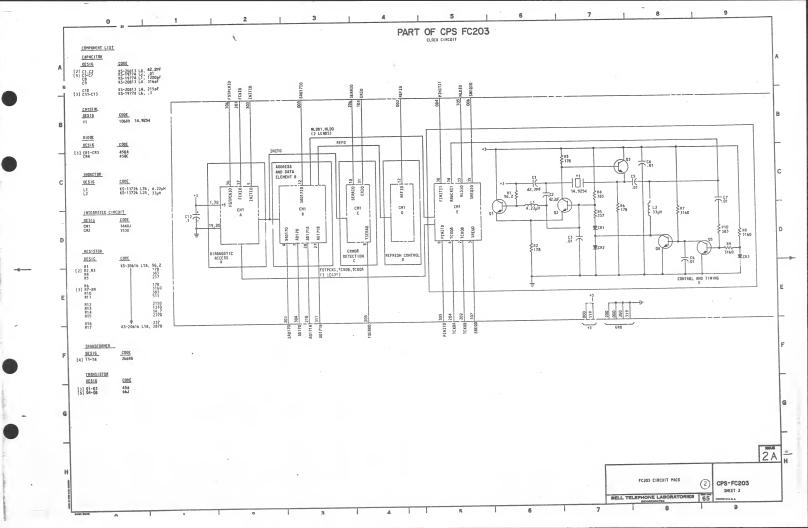
| TICE- NOT FOR USE OR DISCLOSURE DUT SYSTEM EXCEPT UNDER WRITTEN | ISTOE TI | HE BELL MT. | ZA |
|--|----------|--------------------|----|
| FC203 CIRCUIT PACK | 1N98 | ATATCO Standari | 0 |
| CIRCUIT | 2 | CPS-FC203 | |
| ELL TELEPHONE LABORATORIES | 65 | | |

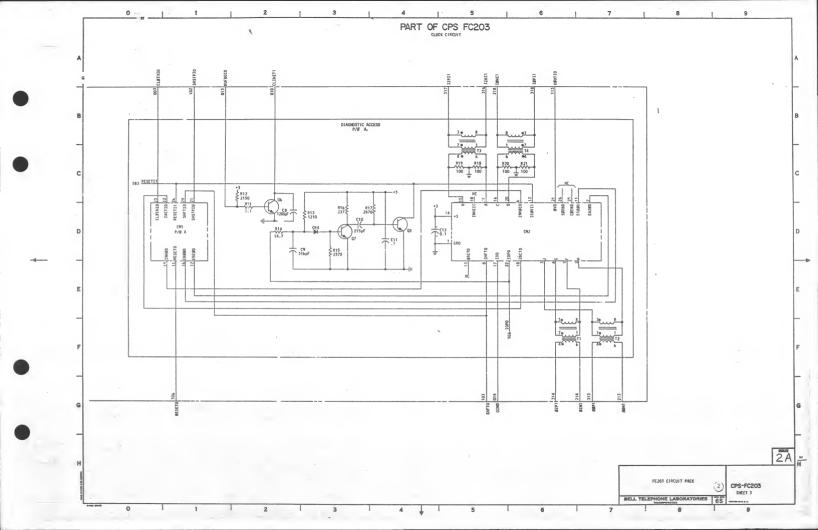
WHEN CHANGES ARE MADE IN THIS DRAWING

THE ISSUE NUMBER ASSIGNED TO A CHANGED

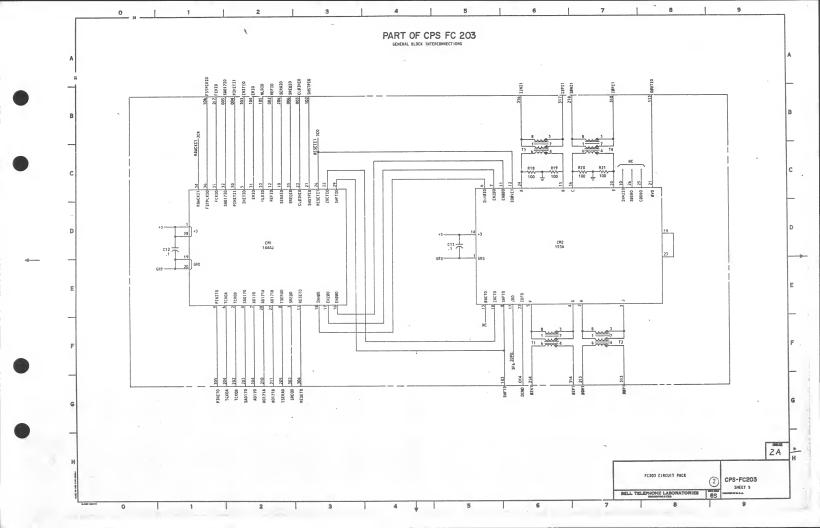
SHEETS THAT ARE NOT CHANGED WILL RETAIN

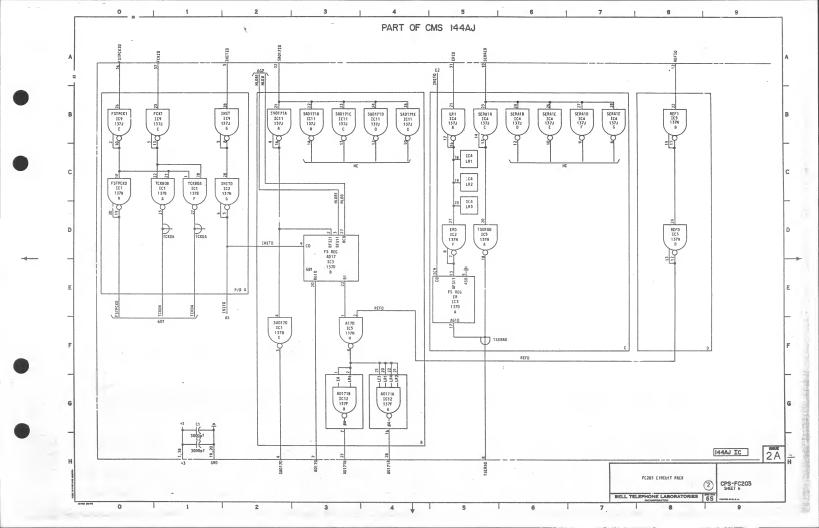
THE LAST ISSUE NUMBER OF THE FIRST SHEET INDEX IS RECOGNIZED AS THE LATEST ISSUE HUMBER OF THE DRAWING AS A WHOLE.

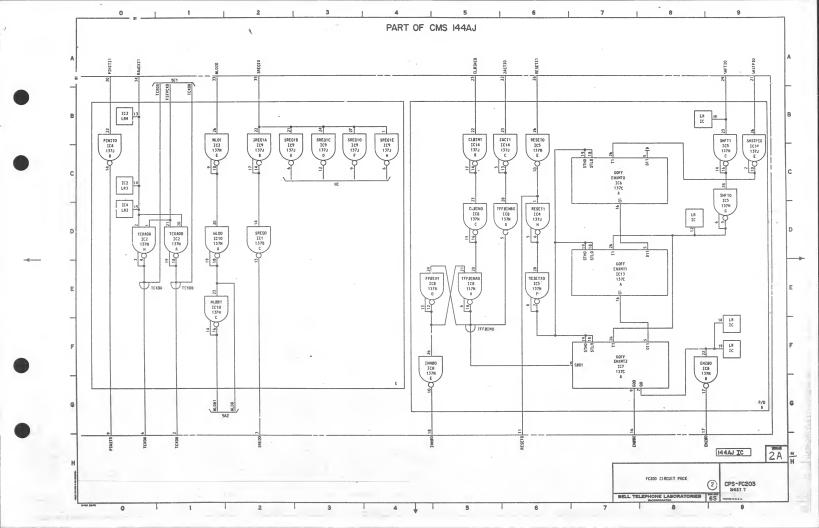


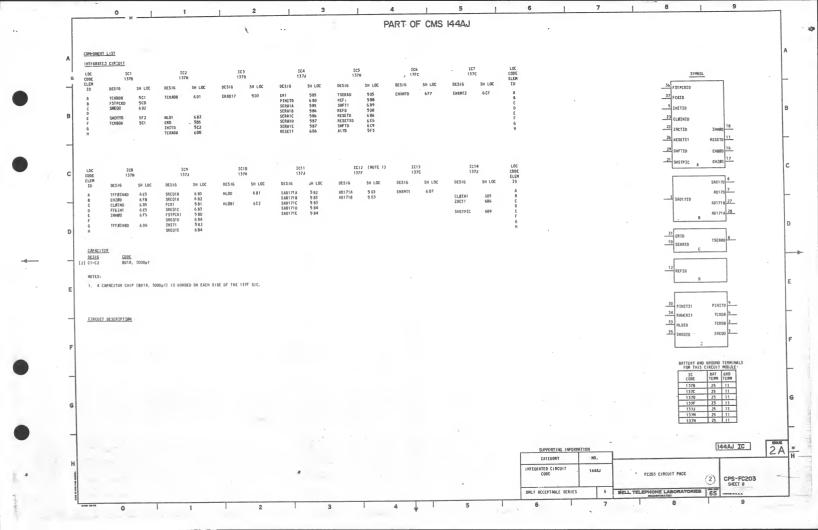


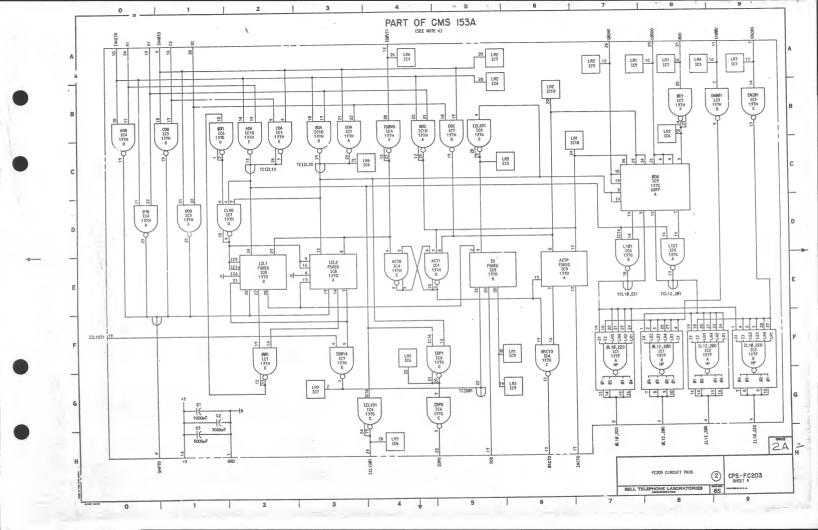
| | | | PART OF CPS FC 203 | |
|----------|--|----|--|-----|
| | `` | | CLOCK TIMING | |
| - | | | | |
| A | CIRCUIT DESCRIPTION | | C. SYMBOL/LEGO PMEMORICS | |
| | A FUNCTION THE ECZOJ IS A CLOCK CINCUIT PACK USED IN TWE MAIN STORE CONTROLLER CINCUIT (MASC). IT CONTAINS THE INTERMECT AND CONTROL (MACUIS DOVER SHIP EXPRESSED COMMUNICATION IN THE MASCE CAND OVER DESCRIPTION AND ASSOCIATED CONTROLS, ONE BIT OF THE STORE ADDRESS REGISTER, AND AMERICAN MICHIGENETIS (AS) | | INNERIONIC OFFINITION | |
| = | CIRCUIT (MASC). IT CONTAINS THE INTERFACE AND CONTROL CINCUITS WHICH EMBLE COMMUNICATION WITH THE 3A CENTRAL CONTROL (3A CC) OVER | | ADDITO ADDRESS BIT 17 (OUTPUT) . | |
| \neg | OSCILLATOR AND ASSOCIATED CONTROLS, ONE BIT OF THE STORE ADDRESS | AO | A0171A A00RESS BIT 17 (OUTPUT TO BRANCH A) | |
| | | | ADDRESS BIT 17 (OUTPUT TO BRANCH B) | |
| - 1 | B. OETAILEO OESCRIPTIOK | | BUFEOS BUFFER BIT O | |
| | NET MANE CONVENTIONS A CONVENTION HAS BEEN CHOSEK AND USED FOR NET NAME MNEUMONICS: | | CLINITI CLEAR INITIALIZE CLINITO CLEAR THE CHANNEL ORE INVIBIT | |
| ۰ | A CONVENTION HAS BEEN CHOSEN AND USED FOR HET NOTE HISCORDINGS. | | CLEINIO CLEAR THE CHAMMEL ONE INNIBIT ODUTIO OATA OUT (TO SIBC FROM MASC) | |
| | 1) THE LAST DIGIT OF A MMELHYNIC WILL BE EITHER 1 OR O. HOICAT HIS THE ACTIVE VOLTAGE LEVEL (MIGH OR LOW, RESPECTIVELY) OF THAT RET. S.G., NET SELTO IS ACTIVE MHEN VOLTAGE LOW. | | GRID ERROR A REGISTER (1991) | |
| - 1 | WHEN VOLTAGE LOW. | | FCKIO FORCE CLOCK (OIAGNOSTIC INPUT) | |
| \dashv | 2) IF THE LETTER IMMEDIATELY WEFORE THE LAST DIGIT IS AK I, THIS MET SERVES AS A SIGNAL INPUT TO THE CIRCUIT. E.G., SELID IS AN IMPUT, WHILE SELD IS NOT. | FS | FSTPCKIO FOPCE STOP CLOCK (OIAGKOSTIC IMPUT) | |
| 1 | 3) IF THE LAST CHARACTER OF A NET NAME IS A LETTER, THIS | | GSA0170 ADDRESS BUT BIT 17 (OUTPUT TO HIGHER ORDER STORES) | |
| 1 | SELD IS AN INFO, WHILE SEED IS NOT. 3) IF THE LAST CHARGETER OF A PET MANE IS A LETTER, THIS WE IS A MEMBER OF A PABALLEL GROUP OF RETS CARRYING THE SAME SIGNAL. E.G., SEGA, SEGO, AND SELOC MOULD BE THREE PARALLEL KETS, CARRYING THE SAME INFORMATION. | | SSREQO STORE REQUEST (QUIPUT TO HIGHER STORES) | |
| c | BE THREE PARALLEL KEIS, CARRYING THE SAME INFORMATION. | | IOO INPUT GATA (FROM SIDE TO MASE) IKITIO INITIALIZE . | |
| 1 | 4) IF TWE LETTER IMPECIATELY BEFORE TWE LAST GIGHT IS A B. THE NET SERVES AS A SERIAL OUPLICATION OF THE NET HITHOUT THE B. E.G. SELBO IS THE SERIAL OUPLICATE OF SELO. SELBO IS THE SERIAL DUPLICATE OF SELBO, ETC. | | INITIO INTEREST OF THE STATE OF | |
| | SELO, SELBO IS THE SHARL DEPLICATE OF SELDO, ETC. 3) THE CUPTURE OF A HIGH-LEVEL MESTER. 1.E. 2, 2-2-817 FROMTON, WILL BE CETIVE IF THE REGISTER 1.S.T. E. C., IF HET CHES. OIL IS THE COLOUTED OF SELSTER E. T. E. C., IF HET CHES. OIL IS THE COLOUTED OF SELSTER E. T. E. C., IF HET CHES. OIL IS THE COLOUTED OF SELSTER E. T. TOPS SELT IS REPLYING CHESTER. THE MET WILL BE ZETIVE ONLY IF REGISTER CHEST IS CLEASED. | | IEPII INPUT ONE, POSITIVE (SIGE IMPUT TO MASC POSITIVE FROM CHANNEL ONE) | |
| | REGISTER OR GATEO DELAY FL.P-FLOP, UNLESS OTNERHISE | | IZNI1 INPUT ZERO, NEGATIVE (SIGC INPUT TO MASC NEGATIVE FROM CHANNEL ZERO) | |
| | IF NET ERR. Q1 IS THE Q1 OUTPUT OF REGISTER ELA, THEN | | IZPI1 INPUT ZERO, POSITIVE (SIØC INPUT TO MASC POSITIVE FROM CHANNEL ZERO) | |
| | MET IS REMAMED ERRORD, THE NET WILL BE ACTIVE ONLY IF | | MLOIO NORWAL LOJO | |
| | THE FIRST CHARACTER OF A NET MAME IS THE LETTER T. THIS MET WILL BE A COLLECTOR-TIE (OUTPUTS FROM TWO OR | | 9881 OUTPUT ONE, NEGATIVE (SIGC OUTPUT FROM MASC NEGATIVE TO CHANNEL ONE) 88P1 OUTPUT ONE, POSITIVE (SUGC OUTPUT FROM MASC POSITIVE TO CHANNEL ONE) | |
| D | MORE GATES TIED TO THE SAME NET). E.G., TSELD IS SUCH | | SERVE OUTPUT ZERO, MEGATIVE (SIGIC OUTPUT FORM MASS, GRAZITVE TO CHANNEL ZERO) | |
| | A MET. | | 9ZP1 OUTPUT ZERO, POSITIVE (SINC OUTPUT FROM MASC POSITIVE TO CHANNEL ZERO) | |
| | WHILE THESE CONVENTIONS HAVE BEEN CONSCIENTIOUSLY FOLLOWED, THERE WERE CIRCUMSTANCES THAT PRECLUDED THEIR USE. IN SUCH CASES, THE | | PINITIO POMER INITIALIZE IMPOT | |
| - | NET WILL BE SPECIALLY NOTEO. | | PINITO POWER INITIALIZE OUTPUT | |
| Ì | | | REFIO REFRESH REFO REFRESH MODE | |
| - | | | REFO REFRESH MODE RESETO RESET OF IZW FUNCTIONS | |
| E | | | AGOTTO ACOMESS BUS BIT 17 (IMPUT) | |
| | | SE | SERAID STORE ERROR A (FROM HIGHER STORES) | |
| - 1 | | | SHFIO SHIFT | |
| | | | SHIFO SHIFT (SIØC SNIFT SIGNAL) | |
| | | | SNSTPIO SNIFT STOP SREQIO STORE REQUEST | |
| | | | SHEQUID STORE REQUEST TEXNS CLOCK SPRANCH & | |
| | | | TCKOS CLOCK BRANCN S | |
| F | | | TSERAO STORE ERROR A OUTPUT | |
| | | | | |
| i | | | | |
| \dashv | | | | |
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| | | | | |
| н | | | | |
| 1 | | | FC203 CIRCUIT PACK | |
| 2 0 | | | CPS-FC2 SMEET 4 | :03 |
| 21 | | | BELL TELEPHONE LABORATORIES (S) | |

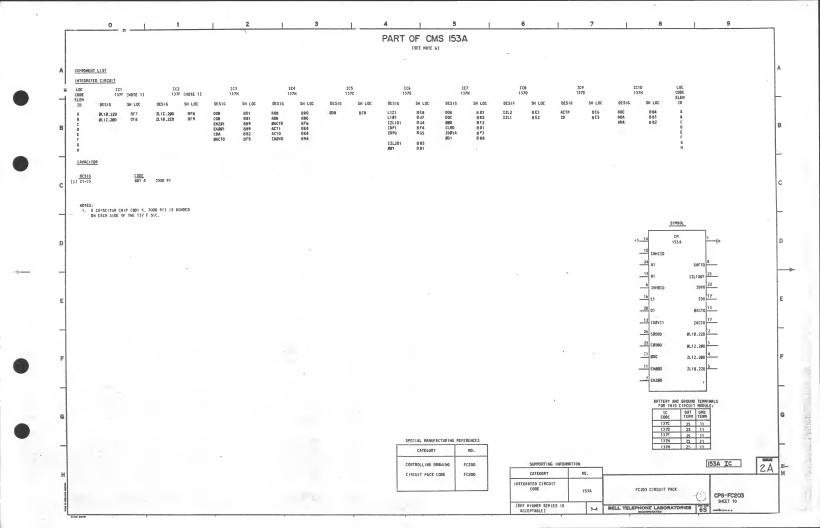












6 PART OF CMS 153A CIRCUIT DESCRIPTION A. FUNCTION DATA BIT DATA BIT DATA DIT CM 153A IS USED IN THE CONVERSION BETWEEN SIPOLAR SIGNALS ON THE 3A CC I/W DATA LINES AND LOGIC-LEVEL SIGNALS REQUIRED BY PERIPHERAL UNIT CONTROLLER CIRCUITS (SUCH AS THE TTY LEADS ZACTO AND MACTO INDICATE WHICH, IF ANY, CC IS ACTIVELY LEADS ZACTO AND SACTO INDICATE MHICH, IF ANY, CC IS ACTIVEY, COMMANICATION WITH THE CONTROLLER, THE ACT IP-FLOP, POSSEDE THAT ONE OF THE CC'S IS SUPPLYING INSUF DAY, R. IIP-FLOP ACTE THAT ONE OF THE CC'S IS SUPPLYING INSUF DAY, R. IIP-FLOP ACTE THAT ONE OF THE CC'S IS SUPPLYING INSUF DAY, R. IIP-FLOP ACTE THAT ONE OF THE CC'S ACT OF (ONE) (ONE) (ZERO) CONTROLLER) B. DETAILED DESCRIPTION SIPOLAR INPUT LEAGS HAVING DESIGNATIONS THAT END IN 1 ARE HIGH WHEN ACTIVE. CR IN THE ONE STATE, LEADS HAVING DESIGNATIONS THAT END IN OARE LON WHEN ACTIVE, OR IN THE ONE STATE, FLIP-FLOPS ARE SET TO THE ONE STATE AND OLD THE STATE INHZID AND INHGID BLOCK INPUT DATA FROM CCO AND CC1 WHEN THEY ARE ACTIVE. FIG. 1 BIPOLAR TO LOGIC BIPOLAR TO LOGIC LEVEL CONVERSION LEAD IDPO WILL BE ACTIVE WHEN EITHER LOBE OF THE INPUT DATA BIT IS PRESENT. IT CAM BE USED BY AN EXTERNAL CIRCUIT TO INDICATE WHEN INCOMING DATA IS PRESENT. THE EXTERNAL CIRCUIT MUST HAVE SUFFICIENT FILTERING TO HOLD OVER MAY GAP BETWEEN LOBES, THE CONTROLLER-RECEIVED DATA LINE IS TRANSFORMER-COUPLED TO CM 193A ON LEADS A1 AND B1 FROM CCO, AND C1 AND D1 FROM CC1. THE DATA IS OR FOD BY GATES ADA AND COA AT TCIZI-1D, AND BY GATES BOA AND DO AT TCIZI-1D. AND BY GATES BOA AND DO AT TCIZI-1D. A1 (OR C1) LEVEL CONVERSION USING CM 153A SHETO INPUT IDDUT IS USED TO INITIALIZE THE IZL1 AND IZL2 TO THE OD BOA MO DON AT TOTAZO, THE PRACTIONSHIP BETWEEN THE BIPOLAR DATA, THE INPUT DOI 1954, AND TIS LOGIC-LEVE LOTA (LOD) AND THINKS (SEPT) OUTDUT DOI 1954, AND TIS LOGIC-LEVE LOTA (LOD) AND THINKS (SEPT) OUTDUT DOI 1954, THE LOGIC LOVE LOGIC LOVE LOGIC LO STATE, AND TO CLEAR THE ACT FLIP-FLOP. THIS SIGNAL MAY BE ACTIVATED BY AN EXTERNAL CIRCUIT AT THE END OF A DATA COMMUNICATION. IDO LOGIC LEVEL TO BIPOLAR CONVERSION THE 3A CC FOLLOWS THE GATA PORTION OF A COMPANICATION TO A PERIPHERAL CHILD WITH MITH AND ALEXPOSS BIT STREAM. THIS HIST STREAM IS USED BY THE PERIPHERAL UNIT AS BIT TIMING FOR THE BIPOLAR DATA SENT TO THE 3A CC, THE 3A CC ANIATRAIN STREAL LAZERS BIT STREAM WITH LIT RECEIVES A REPLY FROM THE PERIPHERAL LAZERS BIT STREAM WITH LIT RECEIVES A REPLY FROM THE PERIPHERAL WITH, OR WITH THE WAIRLAND HAND THE SHOULD RECEIVE A REPLY SECRETED. PROBLEMS IN THESE GATES. THE INST DATA LEGO (IDD.) IS SET AT THE LEGOME, DEED OF THE FIRST LIGHE. THE THINK IS STAME IS THE THAIL INST DICE OF THE MICH OCCUR. AT THE THAIL INST DICE OF THE MICH OCCUR. AT THE THAIL INST DICE OF THE MICH AND THE MICH OF THE MIC THUS, FOR EACH OUTGDING BIT PERIOD, LEAD A1 IS ACTIVE FOLLOWED BY B1 ACTIVE. INPUTS ENZGO AND ENGGO ARE ACTIVATED TO START THE OUTPUT AND DIRECT IT TO CCO OR CCI. GATES ZLIØ, ZZD ANG ZLIZ, ZØO ARE TRANSFORMER-COUPLED TO THE OUTGOING DATA LINE TO COO. GATES ØLIO, ZZD AND ØLIZ, ZØO ARE TRANSFORMER-COUPLED TO THE OUTGOING DATA LINE TO CCI. THESE GATES ARE HELD HIGH MHEN TYERE IS NO INCOMING DATA OR WHEN THE ENABLE LEAD SERIAL I/Ø DATA ARE A 150-NS BIT INTERVAL WITH 37.5-NS LOBES. D THE SHITD LEAD IS CONTROLLED BY CATES AND, BOB, GOD, AND DOS, GOD, AND SECOND LOSS, AND ID PRECIPATING SECOND LOSS AND DEPOSITY OF SECOND LOSS (ENZIO, ENGIOD) IS NOT ACTIVE THE SECTIONARY BENEFIT HE ALL-ZEGG HEPT DATA, THE DOLL FULL OFFICIAL ONLY BEING AND THE OFFICE AND DEPT DATA. THE DOLL FULL OFFICIAL ONLY BEING AND THE OFFICE AND THE LOST EXPERIENCE AND THE OFFICE AND TCTZL10 TCIZL20 8 BOC (DOC) LOGIC LEVEL TO SIPDLAR CONVERSION USING CH 153A Ø00 BY THE ENABLED OUTPUT GATES ZL1D, ZZO AND ZL1Z, 280 AND/OR \$L10, ZZO ZL18.2Z0 (\$L18.2Z0) THE STATE OF THE DATA FLIP-FLOP (ID) A GATE IN MACH PAIR IS CONNECTED TO THE OPPOSITE END OF THE PRIMAR HABIT THE SECOND LOSE OF THE INCOMING DATA BIT IS ACTIVE THE WHITE OF THE GATE ACTIVATED BY THE FIRST LOSE HILL BE ACTIVE, AND IT MILL ALSO HOLD SHIP LOS (400 AND BOD AND MITS). AS NO ESTIMATED AND LOSS HOLD DOD, STORT AND ALSO HAVE AND ALS A GATE IN LIGHT PAIR IS COMMETED TO THE OPPOSITE DUD OF THE PRIMARY OF A TRANSFERINGE, EACH PAIR OF CHIES IS PROVIDED WITH A TRANSFORMER, POLICY OF THE PAIR OF THE PAIR OF THE TRANSFORMER SECONDARY WINDING, WOTE THAT THE STATE OF THE OFFICE AND LABOR AT THE TRANSFORMER SECONDARY WINDING, WOTE THAT THE STATE OF THE OFFICE OF LED IN TO CORE OF WHICH THE OFFICE OF THE OFFICE OFFICE OF THE OFFICE OF THE OFFICE OF THE OFFICE OF THE OFFICE OFFIC 71 17 200 (gl.17.200) OPERATIONS ON MOB. SYMBOL/LEAD BIPOLAR OUTPUT WITH BOTH FILE-FLOWS SET, THE IMPAIT TO CLOD FROM 661 IS HIGH. THE OTHER HEMRYS TO CLOD, CITZLO, AND CTIZZLO ARE CONTROLLED BY THE DATA LOBES. WHILE THE FIRST LOBE IS SOME, OULT THE SECOND LOBE CONTROLS LOB, WHIST THE SCOUD LODE SOME PRIMES, THE DATE LOBE CONTROLS LOB, MIND THE SCOUD LODE SOME INS. THE DATE OF LOBE CONTROLS THE STORY OF THE STORY OF THE SECOND OF LOBE CITZLE AND CITZLO MORE CITE OF THE THE SECOND OF THE ZIZL AND CITZLO MORE CITE OF THE THE SECOND OF THE ZIZL AND CITZLO MORE CITE OF THE THE SECOND OF THE ZIZL AND CITZLO MORE CITE OF THE THE SECOND OF THE ZIZL AND CITZLO MORE CITE OF THE THE SECOND OF THE ZIZL AND CITZLO MORE CITE OF THE THE SECOND OF THE ZIZL AND CITZLO MORE CITE OF THE THE SECOND OF THE ZIZL AND CITZLO MORE CITE OF THE SECOND OF THE ZIZL AND CITZLO MORE CITE OF THE SECOND OF THE ZIZL AND CITZLO MORE ZIZL AND CITE OF THE SECOND OF THE ZIZL AND CITE OF THE SECOND OF THE ZIZL AND CITZLO MORE CITE OF THE ZIZL AND CITE OF THE SECOND OF THE ZIZL AND CITZLO MORE CITE OF THE ZIZL AND CITE OF THE C. MNEMONICS GEFINITION PHEMONIC ZER0 ONE ONE SET OR CLEARED TO DETERMINE WHICH INPUT PORT IS ACTIVE SET WHEN EITHER INPUT PORT IS ACTIVE ACTP 1 A1,81 C#080 C1,01 NPUTS FROM CCO SIGNALS CANNOT OCCUR ON THIS LEAD AS THE FLIP-FLOPS CHANGE FROM CLEAR ODB FF INPUTS FROM CC1 FNABLE OUTPUT TO CC1 ENERO ENZBO LEAD IDO IS CONTROLLED BY THE ID FLIP-FLOP. ID RETAINS THE LAST ENABLE OUTPUT TO CCO LEAD DO IS CONTROLLED WYNE ID FLIP-TUP. TO RETAINS THE LAST MAN THE MASS THE TOTAL OF THE STATE ID IDØVI1 INCOMENC DATA INCOMING DATA OVER, INPUT IDPO IZL1 IZL2 IDO MACTO INCOMING DAYA PRESENT INCOMING ZERO LOBE ONE - SET BY FIRST LOBE WHEN INPUT IS ZERO INCOMING ZERO LOBE TWO - SET BY SECOND LOBE WHEN INPUT IS ZERO INCOMING DATA Ø08 OUTGOING DATA Ø00 ØL1Ø,2Z0 OUTGOING DATA BIT FIRST LOBE FOR A ONE, SECOND LOBE FOR A ZERO TO CC1 ØL1Z ,2Ø0 SHFT0 SØ080 FIRST LOBE FOR A ZERO, SECOND LOBE FOR A ONE TO CC1 SHIFT SET OOB FF IF THE INCOMING DATA BIT IS A ONE, TCIZL20 WILL BE ACTIVE FIRST, IZL201 WILL BE HIGH WHILE IZL1 IS CLEARED, AND THE ID FLIP-FLOP WILL BE SET, IDO WILL THUS BE LOW, WHICH IS THE ONE STATE. WHE THE SECOND LOBE IS ACTIVE FOR AN INCOMING ONE, TCIZL10 IS ACTIVE CCO IS ACTIVE FIRST LOBE FOR A ONE, SECOND LOBE FOR A ZERO TD CCO FIRST LOBE FOR A ZERO, SECOND LOBE FOR A ZERO TO CCO ZACTD ZL18,2Z0 AND WILL DRIVE IZL101 HIGH, TCIZL20, HOWEVER, WILL HAVE SET IZL2, WHICH PREVENTS IDM1A FROM CHANGING ID. 2A FC203 CIRCUIT PACK (2) CPS - FC203 SHEET 11 BELL TELEPHONE LABORATORIES

DH454

3

4